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(54) A complex comprising OCIF and Polysaccharide

(57) A novel complex comprising at least one substance selected from the group consisting of osteoclastogenesis inhibitory factor (OCIF), analogues thereof and variants thereof, which is bound to at least one substance selected from the group consisting of polysac-

charides and derivatives thereof shows prolonged retention in the bloodstream after administration making it useful in the treatment and prophylaxis of bone metabolic diseases.



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PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 02 25 4497
shall be considered, for the purposes of subsequent
proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	WO 00/24416 A (SNOW BRAND MILK PROD CO LTD ; SANKYO CO (JP); FUJISE NOBUAKI (JP); HIG) 4 May 2000 (2000-05-04) * claims; examples * -----	1-33	A61K47/48
E	WO 03/074084 A (SANKYO CO) 12 September 2003 (2003-09-12) * claims 1,7,10 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			A61K
INCOMPLETE SEARCH			
The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims.			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search:			
see sheet C			
Place of search	Date of completion of the search	Examiner	
The Hague	29 December 2003	Berte, M	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



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INCOMPLETE SEARCH
SHEET C

Application Number
EP 02 25 4497

Although claim 25 is directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 25 4497

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-12-2003

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0024416	A	04-05-2000	AU	755422 B2		12-12-2002
			AU	6487799 A		15-05-2000
			BR	9914834 A		14-08-2001
			CA	2347107 A1		04-05-2000
			CN	1325310 T		05-12-2001
			CZ	20011378 A3		17-10-2001
			EP	1127578 A1		29-08-2001
			HU	0104126 A2		28-03-2002
			WO	0024416 A1		04-05-2000
			NO	20012106 A		21-06-2001
			PL	347559 A1		08-04-2002
			TR	200101146 T2		21-09-2001
			TW	529954 B		01-05-2003
			US	2001031725 A1		18-10-2001
			ZA	200103296 A		25-10-2001
<hr/>						
WO 03074084	A	12-09-2003	WO	03074084 A1		12-09-2003
			JP	2003321390 A		11-11-2003
			US	2003216297 A1		20-11-2003
			US	2003181418 A1		25-09-2003
<hr/>						